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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dustin L. Winters

OLED DEVICE HAVING MICROCAVITY SUBPIXELS AND COLOR FILTER ELEMENTS

Serial No. 10/820,592

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Examiner: Bumsuk Won

I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Patricia R. Knapp
Patricia R. Knapp

January 17, 2006
Date

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Sir:

REQUEST FOR CORRECTION TO PATENT APPLICATION PUBLICATION

A material mistake has been discovered in the above-captioned Publication. In the parts list on Page 5 [0051], part number 21 (subpixel) was mis-labeled as part number 19 (subpixel). Enclosed please find page 5 of the Publication along with page 12 of the original application.

Therefore, we are requesting a correction to the patent application Publication due to a United States Patent and Trademark Office error.

Respectfully submitted,

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If the Examiner is unable to reach the Applicant(s) Attorney at the telephone number provided, the Examiner is requested to communicate with Eastman Kodak Company Patent Operations at (585) 477-4656.

PARTS LIST

10	microcavity device
11	semi-transparent reflector
12	cavity spacer
13	organic EL medium
14	reflector
15	color filter element
16	substrate
17	filtered light emission
18	unfiltered light emission
21	subpixel
22	subpixel
23	subpixel
31	emitting area
32	emitting area
33	emitting area
41	color filter element
42	color filter element
43	color filter element
51	emitting area
55	color filter element
56	filter opening

TABLE 1-continued

Angle	CIEx	CIEy	Luminance Yield [cd/A]	Normalized Luminance [%]
Device 3-Blue-After 70% Blue Filter Cascade				
0	0.127	0.143	2.03	100%
15	0.130	0.132	1.83	90%
30	0.139	0.117	1.36	67%
45	0.154	0.120	0.89	44%
60	0.178	0.147	0.60	30%

[0041] The invention has been described in detail with particular reference to certain embodiments thereof, but it will be understood that variations and modifications be effected within the spirit and scope of the invention.

Parts List

[0042] 10 microcavity device

[0043] 11 semi-transparent reflector

[0044] 12 cavity spacer

[0045] 13 organic EL medium

[0046] 14 reflector

[0047] 15 color filter element

[0048] 16 substrate

[0049] 17 filtered light emission

[0050] 18 unfiltered light emission

[0051] 19 subpixel

[0052] 22 subpixel

[0053] 23 subpixel

[0054] 31 emitting area

[0055] 32 emitting area

[0056] 33 emitting area

[0057] 41 color filter element

[0058] 42 color filter element

[0059] 43 color filter element

[0060] 51 emitting area

[0061] 55 color filter element

[0062] 56 filter opening

1. An OLED device, comprising:

a) at least one light emitting layer arranged to produce light in a predetermined emitting area;

b) a reflector and a semi-transparent reflector forming a microcavity structure for resonating the light produced in the at least one light emitting layer; and

c) a color filter element disposed relative to a first portion of the predetermined emitting area so as to filter the light produced by the at least one light emitting layer and transmit substantially unfiltered light through a second portion of the predetermined emitting area.

2. The OLED device of claim 1 where the reflector, the semi-transparent reflector, or both, also serve as electrodes for the light emitting layer.

3. The OLED device of claim 1 where the semi-transparent reflector is Ag or an alloy containing Ag.

4. The OLED device of claim 1 where the device is top emitting.

5. The OLED device of claim 1 where the device is bottom emitting.

6. The OLED device of claim 1 wherein the color filter element includes spaced striped filtered portions.

7. The OLED device of claim 1 wherein the color filter element includes openings in the color filter element to provide the unfiltered light.

8. A multicolor OLED device having an array of pixels which include different subpixels that emit different color light and wherein each subpixel comprises:

a) at least one light emitting layer arranged to produce light in a predetermined emitting area, wherein the light produced by each subpixel is a different color;

b) a reflector and a semi-transparent reflector forming a microcavity structure for resonating the light produced in the at least one light emitting layer; and

c) a color filter element disposed relative to a first portion of the predetermined emitting area so as to filter the light produced by the at least one light emitting layer and transmit substantially unfiltered light through a second portion of the predetermined emitting area.

9. The OLED device of claim 8 wherein the subpixels produce red, green, and blue light.

10. The OLED device of claim 8 where the reflector, the semi-transparent reflector, or both, also serve as electrodes for the light emitting layer.

11. The OLED device of claim 8 where the semi-transparent reflector is Ag or an alloy containing Ag.

12. The OLED device of claim 8 where the device is top emitting.

13. The OLED device of claim 8 where the device is bottom emitting.

14. The OLED device of claim 8 which further comprises active matrix circuitry to drive the subpixels.

15. The OLED device of claim 8 wherein the color filter element corresponding to at least one subpixel includes spaced striped filtered portions.

16. The OLED device of claim 8 wherein the color filter element corresponding to at least one subpixel includes openings in the color filter element to provide the unfiltered light.

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